

## ABSTRACT

A thread wound golf ball having improved characteristics of moment of inertia, spin, and total flight distance, comprising a center, a thread winding layer disposed over the center forming a core, and a cover disposed over the core. The improved characteristics are achieved by shifting the weight of the golf ball from the center towards the periphery by use of heavy thread. This could be achieved by adding a high specific gravity filler material, such as tungsten, to the conventional thread compound and/or using polymer materials in the thread that are inherently heavier. By using a high specific gravity filler material, other desirable characteristics inherent in a wound ball such as resilience, controllability and feel, are not affected.

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